VIA EFS Attorney Docket No.: 2004.001 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Doub VERMELL

In re Application of: Paul VERMEIJ : Group Art Unit: 1645

Application No.: 10/587,067 : Confirmation No.: 1685

Filing Date: November 5, 2008 :

For: LAWSONIA INTRACELLULARIS :

SUBUNIT VACCINES

-----x Date: January 12, 2011

AMENDMENT

Examiner: Dr. Rodney P. Schwartz

Mail Stop: Amendment Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313

Sir:

In response to the Office Action of October 13, 2010, please enter the amendments that follow.

Amendments to the Specification begin on page 2.

Amendments to the Claims begin on page 4.

Remarks begin on page 5.